

Fig. 1

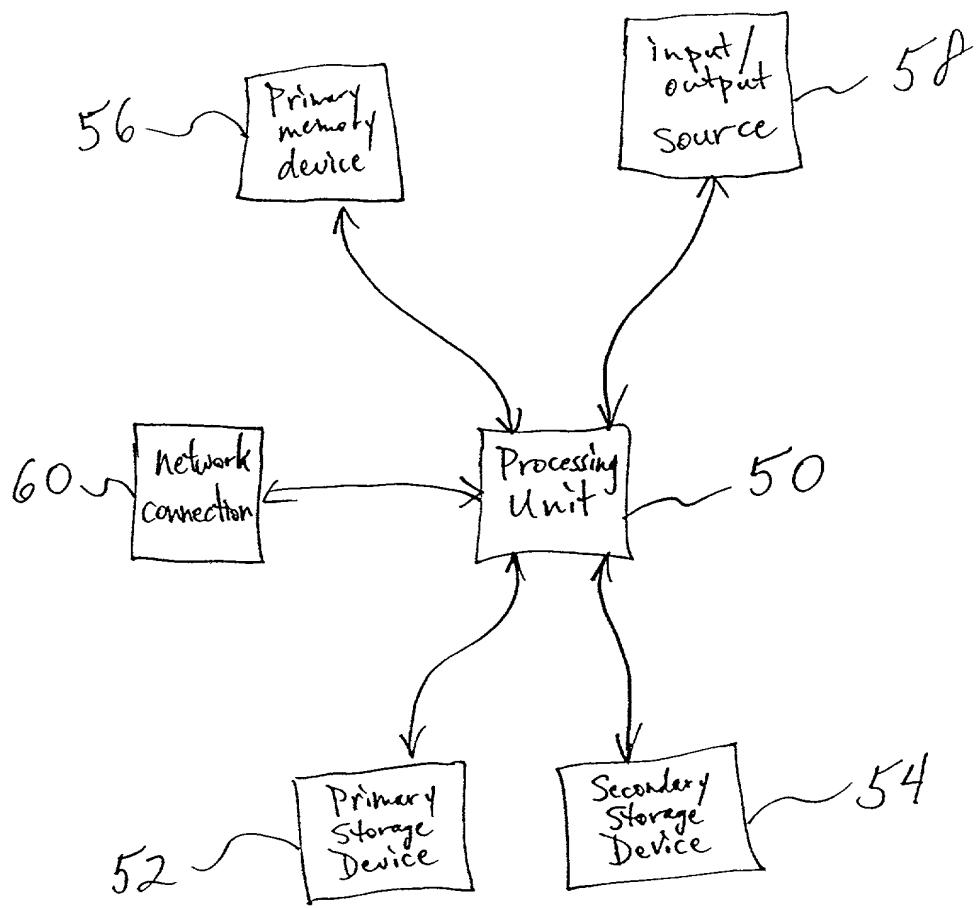


Fig. 2

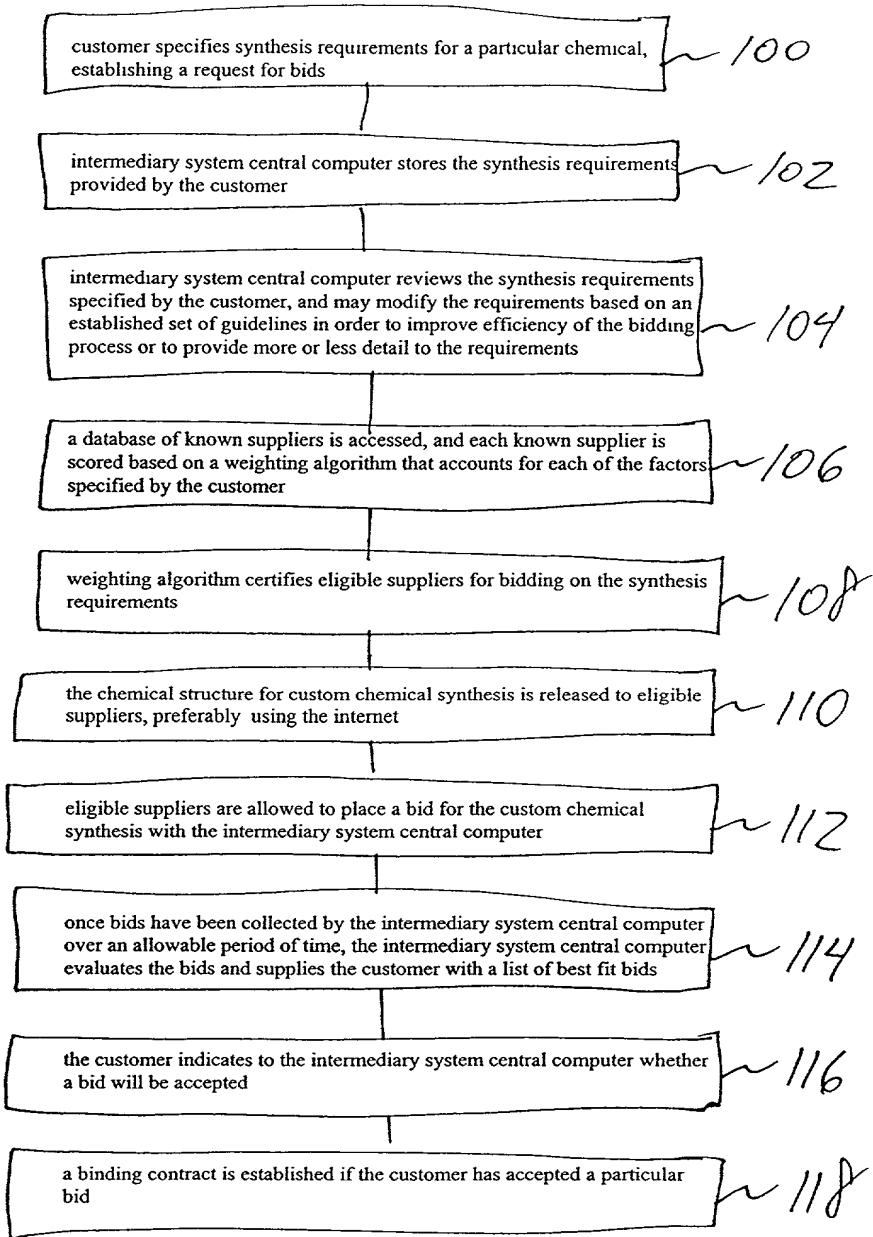


Fig. 3

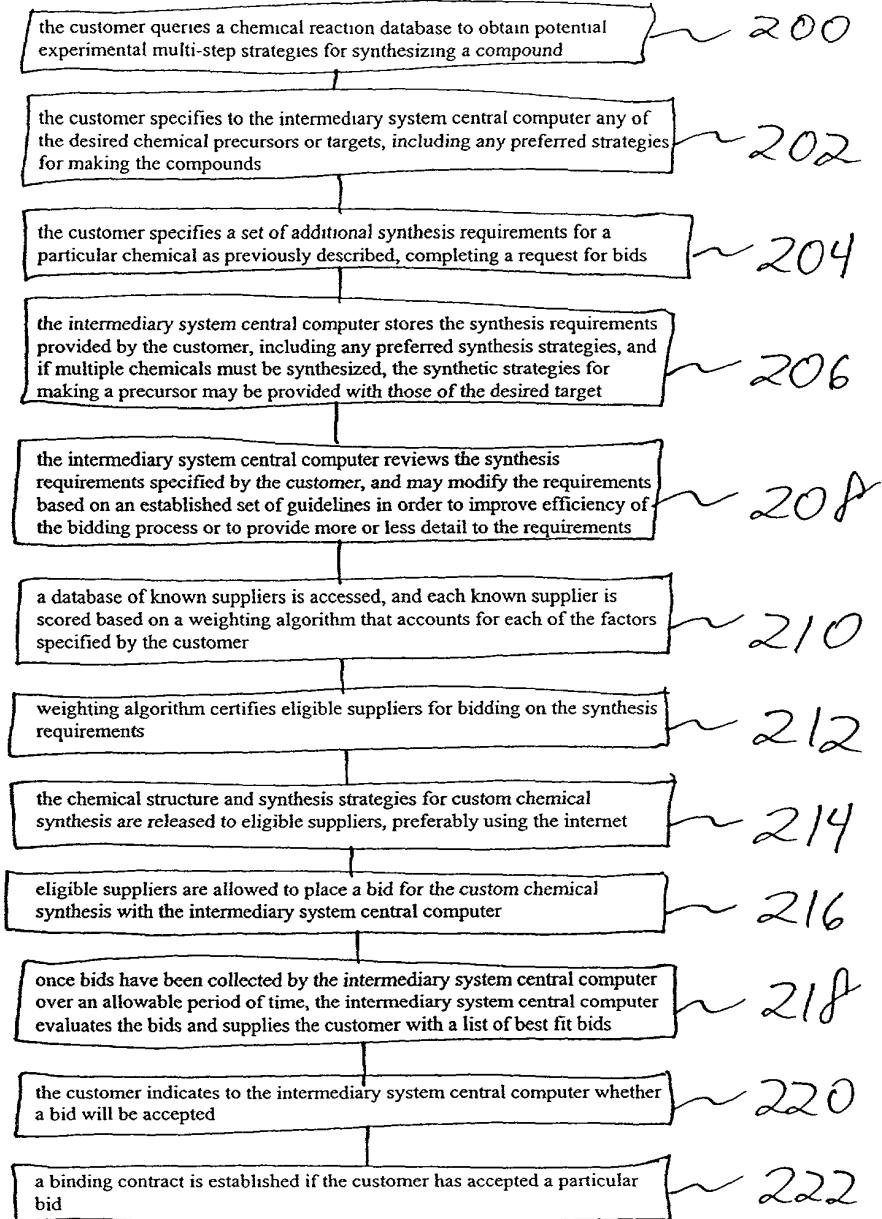


Fig. 4

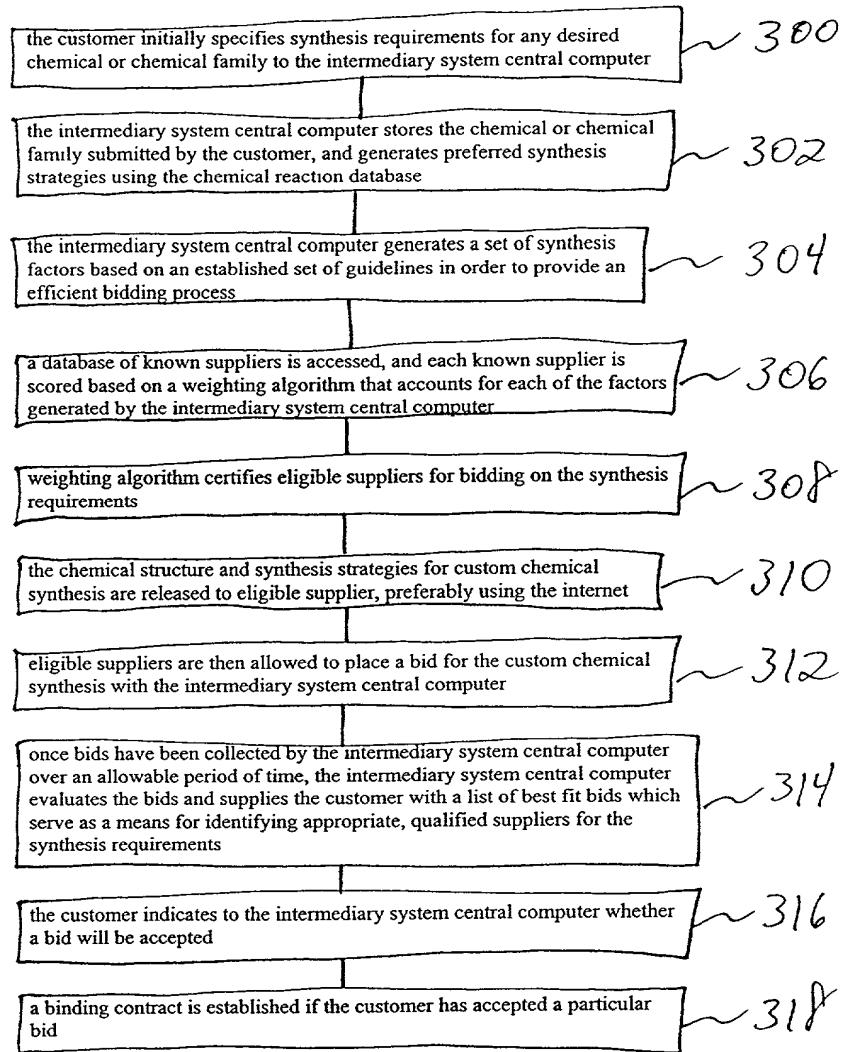


Fig. 5

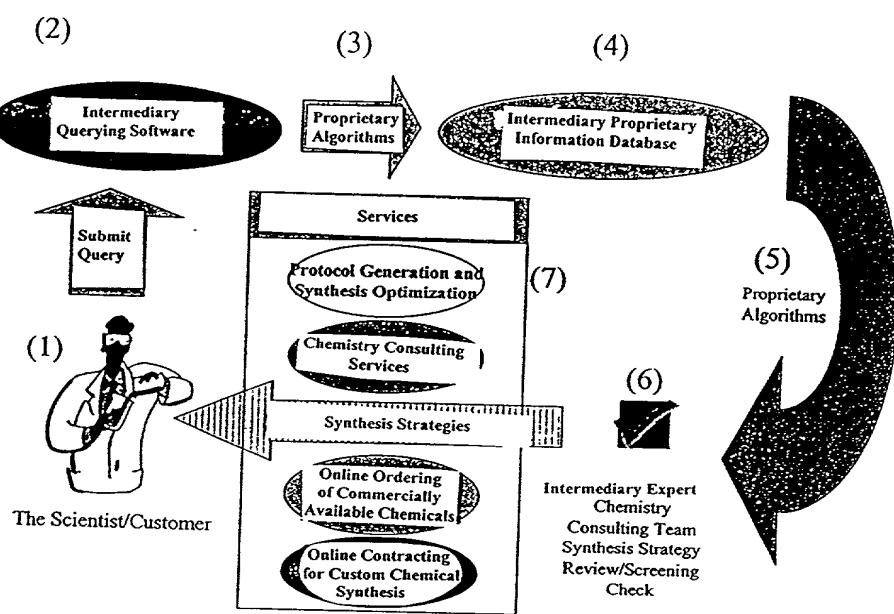
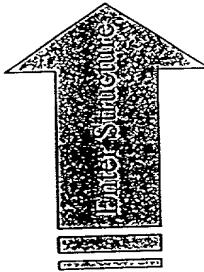
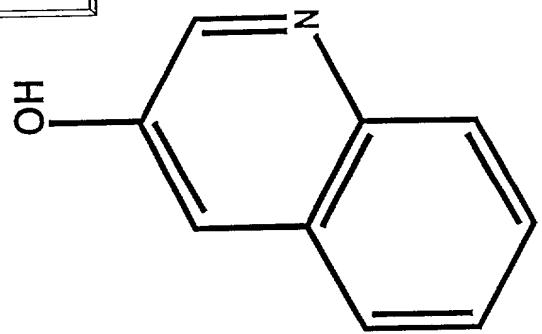


Fig. 6

Target Structure Entry

Analyze



400

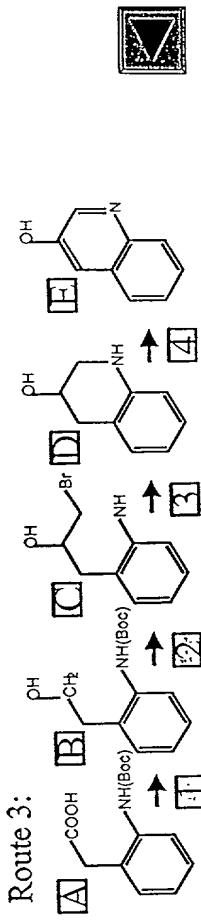
Fig. 7

## Synthesis Strategies

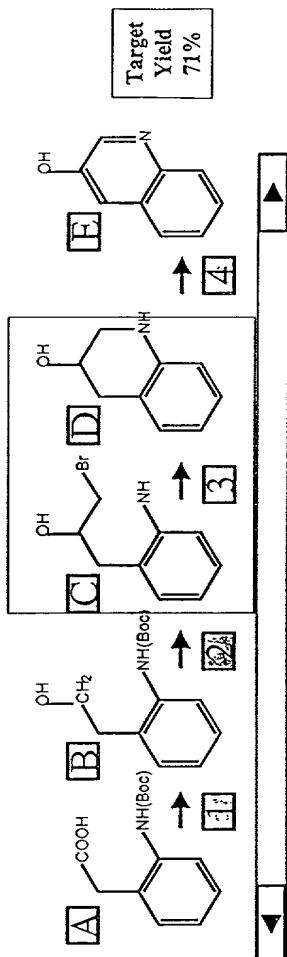
Routes	Yield %	# of steps to ACD	# of Purification Steps Required	Cost Per mg of product	Add Synthetic Routes to Project
Route 1	86	6	4	\$2,000	☒
Route 2	75	N/A	N/A	N/A	☒
Route 3	71	4	3	\$6,434	☒
Route 4	63	5	2	\$200	☒
Route 5	44	10	8	\$22,050	☒
Route 6	31	7	6	\$15,427	☒
Route 7	24	5	5	\$155	☒
Route 8	20	6	4	\$4,450	☒
Route 9	17	6	5	\$344	☒
Route 10	9	N/A	N/A	N/A	☒
Route 11	4	6	6	\$36,000	☒

420

Fig. 8



# Synthesis Reaction Planner



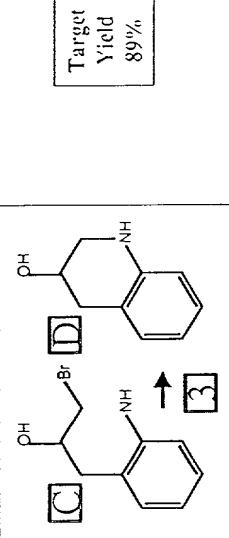
Amt of Target Compound Desired: XX (g)

Step	Starting Materials	ID #	Quantity Required	Suggested Supplier	Cost	Place Orders to Suppliers	Request Bids	Inventory location/ Expected arrival date	Scheduled date for completion
						<input checked="" type="checkbox"/>			
1	DMF								
2	KOH						<input checked="" type="checkbox"/>	A10233	
3	[C] YYYY						<input checked="" type="checkbox"/>		

440

Fig. 9

# Synthesis Protocol Generation



Target Yield  
89%

Step	Starting materials in order of addition	Amount (g)	Inventory ID and Location	Solvent	Amount (ml)	Recommended purification steps	Time	Temp.	Scheduled date for completion
3									

▼ ▲

▼ ▲

Optimize



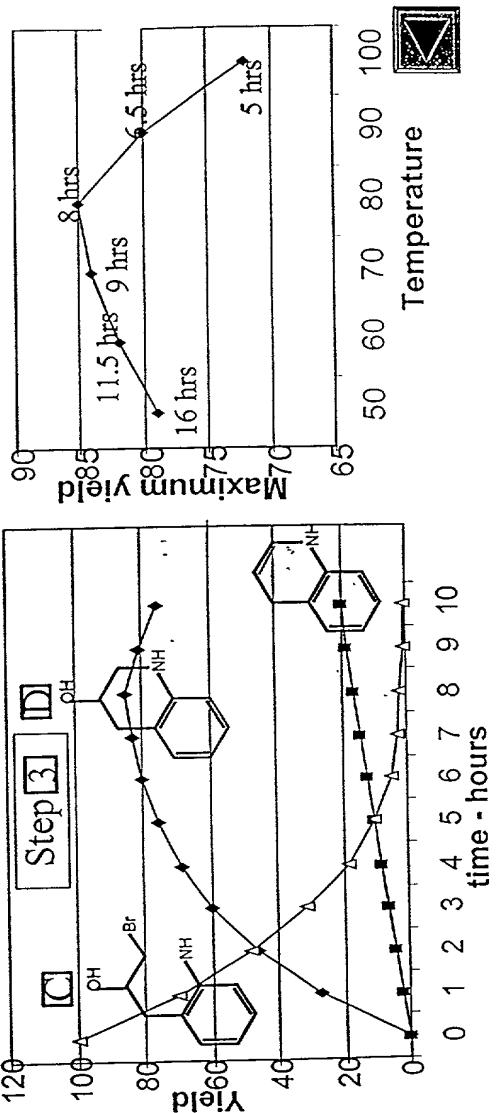
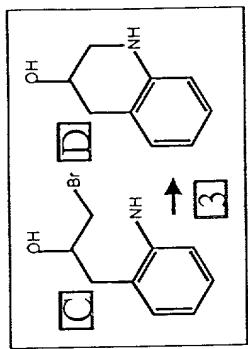
460

Fig. 10

## Synthesis Reaction Optimization

Optimize the Reaction  
Time and Temperature  
for Step [3]

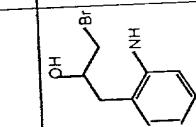
Temperature 80° C
Time 8 Hrs



480

Fig. 11

## Request Bids

Target	Level of Confidentiality Required	Desired Quantity	Cost	Level of Purity	Stereochemical Requirements	Suggested Strategies	Request Bids
	Ultra High Medium Low None	10 g	< \$40,000	99% 95% 90%	None	<input type="button" value="Edit"/>	<input type="button" value="Request Preliminary Bids"/> <input type="button" value="Request Binding Bids"/>

500

Fig. 12